

# Antenna Systems & Supplies Company

931 Albion Ave

Schaumburg, Illinois 60193

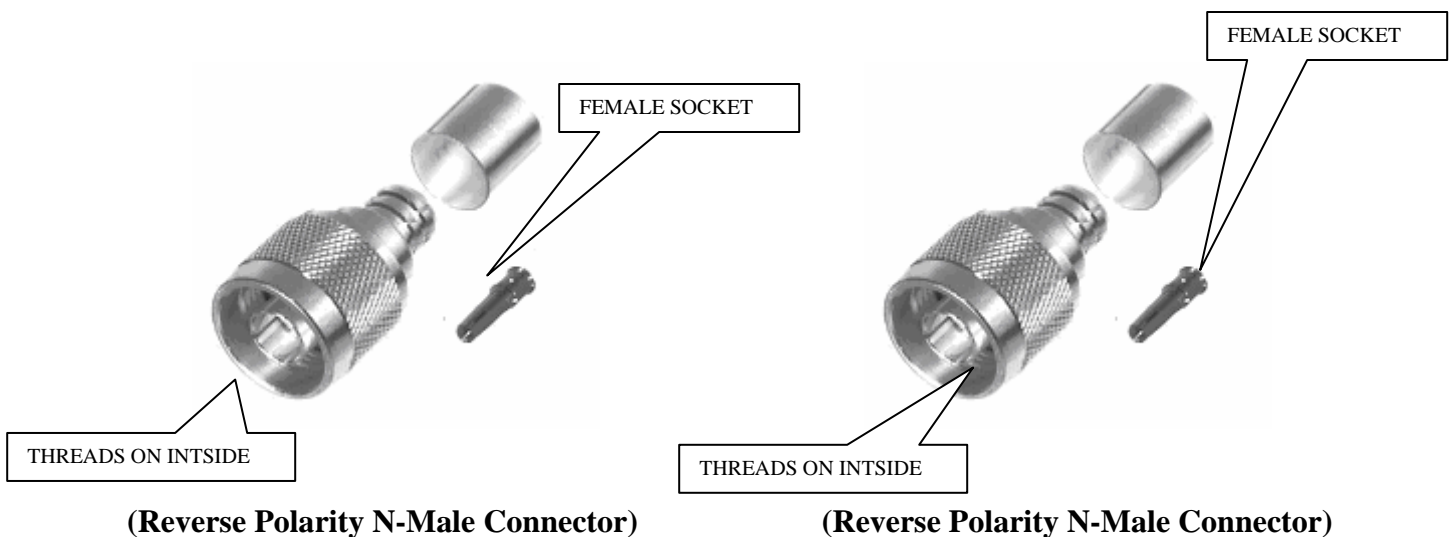
Phone: 847-584-1000 Fax: 847-584-9951

www.antennasystems.com

PART NUMBER: **400C-RMRNM-25**

LENGTH: **25 FEET / 7.62 METERS**

CONNECTORS: **REVERSE POLARITY N-MALE CRIMP ON EACH SIDE**



Reverse Polarity N-Male Connectors have the threads on the inside and a female socket.

## ANDREW CNT-400 CABLE SPECIFICATIONS:

### Mechanical Specifications:

Minimum Bend Radius, in (mm)	1.0	25.4
Bending Moment, lb-ft (N-m)	0.5	0.68
Cable Weight, lb/ft (kg/m)	0.068	0.10
Tensile Strength, lb (kg)	160	72.6

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## **CNT 400 CINTA BRAIDED CABLE**

### **ELECTRICAL CONT.**

<b>Frequency MHz</b>	<b>Attenuation dB/100 ft</b>	<b>Attenuation dB/100 m</b>	<b>Ave. Power kW</b>
30	0.7	2.2	3.30
50	0.9	2.9	2.60
150	1.5	5.0	1.50
220	1.9	6.0	1.20
450	2.7	8.8	0.83
900	3.9	12.7	0.53
1500	5.0	16.6	0.44
1800	5.6	18.4	0.40
2000	5.9	19.4	0.37
2500	6.7	22.0	0.33

Attenuation: VSWR 1.0, ambient temperature 20°C (68°F)  
Average Power: VSWR 1.0, ambient temperature 40°C (104°C), inner conductor temperature 100°C (212°F)

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## CABLE SPECIFICATIONS

<b>CNT-400 CINTA TM BRAIDED CABLE</b>			
<b>DESCRIPTION</b>		<b>MATERIAL</b>	
CNT-400	STANDARD OUTDOOR CABLE	POLYETHYLENE	
CNT-400-DB	WATERTIGHT CABLE	POLYETHYLENE	
CNT-400-FR	FIRE RETARDANT (CATVR)	NON-HALOGENATED	
<b>MECHANICAL</b>		<b>VALUE</b>	
MINIMUM BEND RADIUS, IN (MM)	1.0	25.4	
BENDING MOMENT LB-FT, (N-M)	0.5	0.68	
CABLE WEIGHT LB/FT (KG/M)	0.068	0.1	
TENSILE STRENGTH, LB (KG)	160	72.6	
FLAT PLATE CRUSH STRENGTH, LB/IN (KG/MM)	40	0.71	
<b>CONSTRUCTION</b>		<b>MATERIAL</b>	
INNER CONDUCTOR	SOLID BCCAI	0.108	274
DIELECTRIC	FOAM POLYETHYLENE	0.285	7.24
OUTER CONDUCTOR	ALUMINUM TAPE	0.291	7.249
OVERALL BRAID	TINNED COPPER	0.320	8.13
DIAMETER OVER JACKET	BLACK POLYETHYLENE	0.405	10.29
<b>ENVIRONMENTAL</b>		<b>VALUE</b>	
STORAGE TEMPERATURE, °C	-70 TO +85 (-94 TO +185)		
INSTALLATION TEMPERATURE °C (°F)	-40 TO +85 (-40 TO +185)		
OPERATING TEMPERATURE °C (°F)	-40 TO +85 (-40 TO +185)		
<b>ELECTRICAL</b>		<b>VALUE</b>	
MAXIMUM FREQUENCY	16.2 GHZ		
VELOCITY, PERCENT	85		
VOLTAGE WITHSTAND	2500 VDC		
PEAK POWER	16 KW		
DC RESISTANCE, OHMS/1000 FT (1000M)			
INNER CONDUCTOR, OHMS	1.39 (4.56)		
OUTER CONDUCTOR, OHMS	1.65 (5.41)		
JACKET SPARK	8000 VRMS		
CAPACITANCE	23.9 PF/(78.40 PF/M)		
INDUCTANCE	0.060 UH/FT (0.20 UH/M)		
SHIELDING EFFECTIVENESS	>90 DB		
PHASE STABILITY	< 10 PPM/ °C		

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